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(54) Title: LONG LASTING INSULIN DERIVATIVES AND METHODS THEREOF

(57) Abstract: The present invention relates to an insulin derivative comprising an insulin molecule and a reactive group for covalently bonding a blood component, wherein preferably the insulin molecule is human natural insulin molecule and the reactive group is coupled to an amino acid of the insulin molecule at a position selected from the positions Gly A1, Phe B1 and Lys B29.

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